PAMS Technical Documentation
NSM–5 Series Transceivers

General Information

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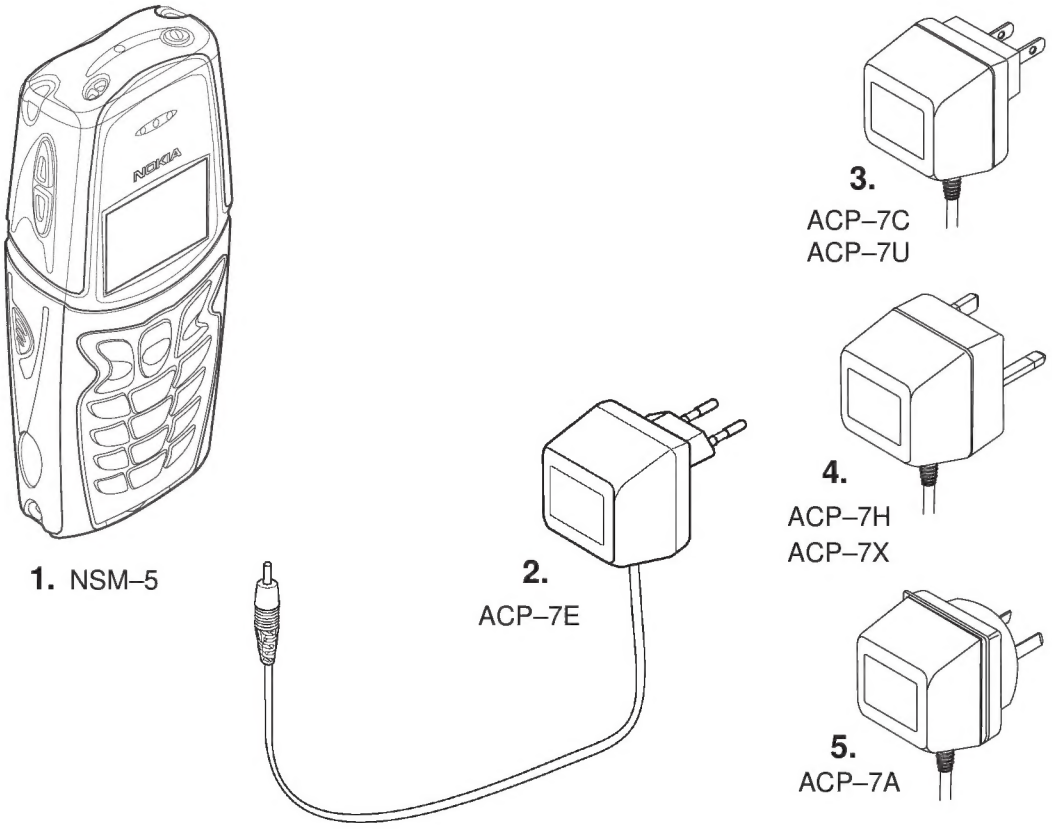
The Product

The NSM–5 is a dual band handportable mobile telephone for the E–GSM 900 and GSM1800 networks. It is both GSM900 phase 2 power class 4 transceiver (2W) and GSM1800 power class 1 (1W) transceiver.

Handportable



Item	Name:	Type code:
1.	Transceiver	See Product Variants
	Standard battery Li–ion	BLB–2
2.	Standard Charger (Euro plug) 207–253 Vac	ACP–7E
3.	Standard Charger (US plug) 108–132 Vac	ACP–7U
	Standard Charger (US plug) 198–242 Vac	ACP–7C
4.	Standard Charger (UK plug) 207–253 Vac	ACP–7X
	Standard Charger (UK plug) 180–220 Vac	ACP–7H
5.	Standard Charger (Australia) 216–264 Vac	ACP–7A

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Product and Accessory List

Unit/type:
NSM–5 Transceiver
BLB–2 Standard Battery Li–ion 750 mAh
ACP–7E Standard Charger (EUR) 207–253 Vac
ACP–7U Standard Charger (US) 108–132 Vac
ACP–7C Standard Charger (US) 198–242 Vac
ACP–7X Standard Charger (UK) 207–253 Vac
ACP–7H Standard Charger (UK) 180–220 Vac
ACP–7A Standard Charger (AUS) 216–264 Vac
ACP–8E Travel Charger (EUR) 90–264 Vac
ACP–8K Travel Charger (Korea) 90–264 Vac
ACP–8X Travel Charger (UK) 90–264 Vac
ACP–8U Travel Charger (US) 90–264 Vac
ACP–8C Travel Charger (China) 90–264 Vac
ACP–8A Travel Charger (Australia) 90–264 Vac
LCH–9 Mobile Charger
DDC–1 Battery Charging Stand
HDC–5 Headset (with remote button)
HDE–2 Headset (without remote button)
HDD–1 Dual Headset
HDB–5 Boom Headset
HDR–1 Music Player
LPS–3 Loopset (inductive)
CSE–30 Carrying Strap

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General Specifications of Transceiver NSM–5

Parameter	Unit
Cellular system	GSM900 and GSM1800
RX frequency band	EGSM: 925 ... 935 MHz GSM900 935 ... 960 MHz GSM1800 1805 ... 1880 MHz
TX frequency band	EGSM 880 ... 890 MHz GSM900 890 ... 915 MHz GSM1800 1710 ... 1785 MHz
Output power	GSM900 * +5 ...+33 dBm / 3.2 mW ... 2 W GSM1800 +0 ...+30 dBm / 1.0 mW ... 1 W
Duplex spacing	GSM900 * 45 MHz GSM1800 95 MHz
Number of RF channels	EGSM 50 GSM900 124 GSM1800 374
Channel spacing	200 kHz
Number of TX power levels	GSM900 * 15 GSM1800 16
Sensitivity, static channel	GSM900: –102 dBm GSM1800: –102 dBm
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 º
Peak phase error	< 20.0 º

*) applies also to EGSM

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